Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/04/2016 01:20 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124530	-1	2.87	124489	2.80
Blue	F	SSC	125000	124585	-1	5.26	125877	5.12
Blue	E	FITC	17316	16574	-5	3.77	937	9.32
Blue	D	PE	22501	21944	-3	3.47	988	8.64
Blue	B	PerCP-Cy5-5	67647	66044	-3	3.93	1740	13.39
Blue	A	PE-Cy7	80682	80724	0	4.82	1064	24.25
Red	C	APC	64263	63137	-2	2.69	3556	8.14
Red	A	APC-Cy7	96129	94144	-3	2.80	1862	8.09
Violet	B	V450	11714	11286	-4	3.56	703	7.99
Violet	A	V500	48394	47353	-3	3.15	2682	5.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19489	3.81	591	2	N/A	N/A	Pass
Blue	F	SSC	61904	4.25	515	1	N/A	N/A	Pass
Blue	E	FITC	100	36.58	516	-4	0.0258	180	Pass
Blue	D	PE	204	24.71	512	-2	0.1691	130	Pass
Blue	B	PerCP-Cy5-5	213	38.20	605	-2	0.0112	0	Pass
Blue	A	PE-Cy7	81	95.65	663	0	0.0159	14	Pass
Red	C	APC	333	26.22	582	-3	0.0213	13	Pass
Red	A	APC-Cy7	119	38.12	562	-3	0.0047	771	Pass
Violet	B	V450	74	39.85	456	0	0.0465	1579	Pass
Violet	A	V500	174	21.18	488	1	0.0134	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.30	-31.04	0.81
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	16.67	13.28 - 19.92	N/A	N/A	31.43	31.83	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10119

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments